



PTO/SB/08a (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete If Known

Application Number	10/687,566
Filing Date	October 15, 2003
First Named Inventor	Ivan Osorio
Art Unit	2857-2863
Examiner Name	FBD LE
Attorney Docket Number	011738.00151

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Issue/Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
JL		US- 3522811	08/04/1970	Schwartz et al.	
		US- 3850161	11/26/1974	Saul Liss	
		US- 3863625	02/04/1975	Viglione et al.	
		US- 3967616	07/05/1976	Sidney A. Ross	
		US- 3993046	11/23/1976	Fernandez et al.	
		US- 4019518	04/28/1977	Maurer et al.	
		US- 4038536	07/26/1977	Paul L. Feintuch	
		US- 4285474	10/20/1981	Robert E. Fischell	
		US- 4373527	2/15/1983	Robert E. Fischell	
		US- 4417592	11/29/1983	John E. Roy	
		US- 4568464	01/28/1986	Piconne et al.	
		US- 4581758	04/08/1986	Coker et al.	
		US- 4610259	08/09/1986	Cohen et al.	
		US- 4702254	10/27/1987	Jacob Zabara	
		US- 4944299	07/31/1990	Sergiu Sulvian	
		US- 5311869	05/19/1992	Nappholz et al.	
		US- 5269303	12/14/1993	Wernicke et al.	
		US- 5298569	04/05/1994	Wernicke et al.	
		US- 5311876	05/17/1994	Olsen et al.	
		US- 5335657	08/09/1994	Terry Jr. et al.	
V		US- 6473639	10/24/2002	Fischell et al.	
		US- 6480743	11/12/2002	Kirkpatrick et al.	
		US- 6560486	05/06/2003	Osorio et al.	
		US- 6591138	07/08/2003	Fischell et al.	
		US- 6597954	07/22/03	Pless et al.	
		US- 6647296	11/11/2003	Fischell et al.	
		US- 2002/0013614	01/31/2002	David L. Thompson	

Examiner Signature	<i>John Se</i>	Date Considered	06/08/2005
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Sheet 2 of 4

Complete if Known

Application Number	10/687,566
Filing Date	October 15, 2003
First Named Inventor	Ivan Osorio
Art Unit	2857-2868
Examiner Name	IBD LE
Attorney Docket Number	011738.00151

U.S. PATENT DOCUMENTS

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		Number - Kind Code ² (if known)			
JL		US- 5487754	01/30/1996	Snell et al.	
		US- 5626145	05/06/1997	Clapp et al.	
		US- 5683422	11/04/1997	Mark T. Rise	
		US- 5713922	02/03/1998	Gary William King	
		US- 5713923	02/03/1998	Ward et al.	
		US- 5716377	02/10/1998	Rise et al.	
		US- 5720770	02/24/1998	Nappholz et al.	
		US- 5743860	04/28/1998	Hively et al.	
		US- 5752976	05/19/1998	Duffin et al.	
		US- 5792188	08/11/1998	Mark T. Rise	
		US- 5878702	11/02/1999	Ward et al.	
		US- 5995868	11/30/1999	Dorfmeister et al.	
		US- 6016449	01/18/2000	Fischell et al.	
		US- 6018682	01/25/2000	Mark T. Rise	
		US- 6066163	05/23/2000	Michael Sasha John	
		US- 6083248	07/04/2000	David L. Thompson	
		US- 6094598	7/25/2000	Elsberry et al.	
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		US- 6128537	10/03/2000	Mark T. Rise	
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		US- 6224549	05/01/2001	Win Van Drongelen	
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		US- 6341236	01/22/2002	Osorio et al.	
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		US- 6356784	03/12/2002	Lozano et al.	
		US- 6360122	03/19/2002	Fischell et al.	
		US- 6366813	04/02/2002	Daniel J. Di Lorenzo	
		US- 6374140	04/16/2002	Mark T. Rise	
		US- 6427086	07/30/2002	Fischell et al.	
		US- 6459936	10/01/2002	Fischell et al.	
		US- 6466822	10/15/2002	Benjamin D. Pless	
		US- 6473639	10/24/2002	Fischell et al.	

Examiner Signature	John Se	Date Considered	06/08/2005
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

of

4

Complete if Known

Application Number	10/687,566
Filing Date	October 15, 2003
First Named Inventor	Ivan Osorio
Art Unit	2857-2863
Examiner Name	TBD- LE
Attorney Docket Number	011738.00151

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
FL		Alan V. Oppenheim & Ronald W. Schaffer, Digital Signal Processing, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 1975, pg. 18-24.	
		Gotman J., & Gloor, P., "Automatic Recognition and Quantification of Linterictal Epileptic Activity in the Human Scalp EEG", Electroencephalography and Clinical Neurophysiology, 1976, 41:513-529.	
		B. Litt and J. Echaz, "Prediction of Epileptic Seizures", 1 The Lancet Neurology 22 May 2002	
		H. Qu & J. Gotman, "A Seizure Warning System For Long-term Epilepsy Monitoring", 45 Neurology 2250, 1995	
		J. Gotman, "Automatic Recognition of Epileptic Seizures in the EEG", 54 Electroencephalography and Clinical Neurophysiology at 530-540, 1982	
		Lapkin et al., "The Electroencephalogram in Childhood Basilar Artery Migraine", 27Neurology 580-583, June 1977)	
		Murro et al., "Computerized Seizure Detection of Complex Partial Seizures", 79 Electroencephalography and Clinical Neurophysiology 330-333 (1991)	
		P. Rajna and C. Lona, "Sensory Stimulation for Inhibition of Epileptic Seizures", 30(2) Epilepsia 168-174, 1989	
		R.P. Lesser et al., "Brief Bursts of Pulse Stimulation Terminate Afterdischarges Caused by Cortical Stimulation", Neurology 53, December 1999	
		Webber, W.R.S. et al., "Automatic EEG Spike Detection: What Should the Computer Imitate", 87 Electroencephalography and Clinical Neurophysiology 330-333 (1993)	
✓		Grassberger, Peter et al., "Characterization of Strange Attractors" Vol. 50, No.5., The American Physical Society, January 31, 1983.	

Examiner Signature	<i>John Se</i>	Date Considered	06/08/2005
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/687,566
		Filing Date	October 15, 2003
		First Named Inventor	Ivan Osorio
		Art Unit	2857-2803
		Examiner Name	TBD LE
(Use as many sheets as necessary)		Attorney Docket Number	011738.00151
Sheet	4	of	4

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JK		Iasemidis, L. D. and Sackellares, J. C. "Chaos Theory and Epilepsy". The Neuroscientist, 2:118-126, 1996. <retrieved from http://citeseer.ist.psu.edu/iasemidis96chaos.html >	
		Elger, Christian E., et al., "Short Communication: Seizure Prediction By Non-Linear Time Series Analysis of Brain Electrical Activity" European Journal of Neuroscience, Vol. 10, pgs. 786-789 (1998)	
		Gotman, J., "Seizure Recognition and Analysis", Montreal Neurological Institute and Department of Neurology and Neurosurgery, McGill University, Montreal, Quebec. H3A 2B4 (Canada)	
		Vachtsevanos, G.J., et al. "Neuro-Fuzzy Approaches to Decision Making: A Comparative Study With An Application to Check Authorization" Journal of Intelligent and Fuzzy Systems, Vol. 6, pgs. 259-278 (1998)	
		Osorio, Ivan, et al., "Real-Time Automated Detection and Quantitative Analysis of Seizures and Short-Term Prediction of Clinical Onset" Epilepsia, Vol. 39(6) pgs. 615-627, (1998)	

Examiner Signature	John Le	Date Considered	06/08/2005
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/687,566
Filing Date	October 15, 2003
First Named Inventor	Ivan Osorio
Art Unit	2857 2863
Examiner Name	Not assigned
Attorney Docket Number	011738.00151

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>John Lee</i>	Date Considered	06/08/2005
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Sheet 1

of

2

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Application Number	10/687,566
Filing Date	October 15, 2003
First Named Inventor	Ivan Osorio
Art Unit	2857-2883
Examiner Name	Not assigned LE
Attorney Docket Number	011738.00151

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		Number - Kind Code ² (if known)			
JL ↓		US-5,995,868	11/30/1999	Dorfmeister, et al.	
		US- 5,560,488	05/06/2003	Osorio, et al.	
		US- 6,587,727	07/01/2003	Osorio, et al.	
		US- 6,671,556	12/30/2003	Osorio, et al.	
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<i>JLm Le</i>	Date Considered	06/08/2005
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Sheet	2
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2

of

2

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Application Number

10/687,566

Filing Date

October 15, 2003

First Named Inventor

Ivan Osorio

Art Unit

2857 2863

Examiner Name

~~Not assigned~~ LE

Attorney Docket Number

011738.00151

NON PATENT LITERATURE DOCUMENTS

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Examiner
Signature

John Se

Date
Considered

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0



Title of
Invention

Synchronization and Calibration of Clocks for a Medical
Device and Calibrated Clock

Application Number: 10/687566
 Confirmation Number: 7141
 First Named Applicant: Ivan Osorio
 Attorney Docket Number: 011738.00151
 Art Unit: 2857
 Examiner: Unassigned Unassigned
 Search string: (5368041 or 5899931 or 5921938 or 6083248
 or 5749902).pn.



Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	5368041	1994-11-29	Shambroom		600	544
<input checked="" type="checkbox"/>	2	5899931	1999-05-04	Deschamp		607	60
<input checked="" type="checkbox"/>	3	5921938	1999-07-13	Aoyama		600	509
<input checked="" type="checkbox"/>	4	6083248	2000-07-04	Thompson		607	30
<input checked="" type="checkbox"/>	5	5749902	1998-05-12	Olson		607	5

Signature

Examiner Name	Date
<i>John Se</i>	06/08/2005